

PLUM CREEK WATER RECLAMATION AUTHORITY
4255 N. US Hwy 85, Castle Rock, CO 80108
REGULAR MEETING MINUTES
Held in person and GoToMeeting
July 24, 2024

CALL TO ORDER:

7:30 a.m.

ATTENDEES:

Mark Marlowe, Joshua Shackelford, Board Members; Evan Person, David VanDellen, Alternate Board Members; Wes Martin, Authority Manager; Lissa Oelkers, Director of Administrative Services; Patou Griggs, Industrial Pretreatment Manager; Alyse Billick, Administrative Assistant; Darryl Farrington, Semple, Farrington, Everall & Case, PC; Cassie Vetter, Castle Pines Metropolitan District Board Member; Bryan Coday, Senior Technologist and John Rehring, Project Manager, Carollo Engineers

ANNOUNCEMENT OF QUORUM:

Quorum present.

APPROVAL OF AGENDA:

Dir. Shackelford moved to approve the agenda. Dir. Marlowe seconded the motion. The motion was unanimously approved.

ZERO DISCHARGE STUDY – CAROLLO

Mr. Rehring began by discussing some of the preliminary effluent limits given by the State, which could potentially affect PCWRA's permit in the future. Mr. Coday then used a PowerPoint presentation to review the original Utility Plan Update and highlighted the twenty-year capital improvement projects (CIP) that would cost approximately two hundred ninety-five million dollars in 2023 dollars. At the board's direction from a previous meeting, Carollo established the parameters for PCWRA to revert to a zero-discharge facility. Mr. Rehring summarized the direct potable reuse (DPR) parameters in the Colorado Department Health and Environment (CDPHE) Regulation 11 and how other facilities are operating their plants without a discharge permit. In order to avoid exceedances due to process upsets, Carollo suggested that an emergency storage reservoir could potentially be built on PCWRA's one hundred acres costing two hundred eighty-four million dollars in 2023 dollars. Dir. Marlowe stated the cost of the reservoir seems excessive and requested Carollo to compare those costs to the costs of reservoir projects currently being completed by Castle Rock Water and to provide a breakdown of those differences. Carollo will present those results at a future PCWRA regular board meeting.

Mr. Rehring and Mr. Coday excused themselves from the meeting at 8:13.

PUBLIC COMMENT:

Attendees: None

ACTION ITEMS:

MINUTES OF JUNE 26, 2024 REGULAR BOARD MEETING:

Dir. Shackelford moved to approve the minutes of the June 26, 2024 regular board meeting. Dir. Marlowe seconded the motion. The motion was unanimously approved.

PAYABLES FOR THE PERIOD ENDING JUNE 30, 2024:

Mr. Martin highlighted expenditures of \$86,488.50 to Cornerstone Coating for the final payment for the drum mixer which is being held by staff until the project is completed; \$6,794.33 to Industrial Service Solutions for condensers for the Admin building HVAC system; service contracts to Seal Analytical for \$11,670.00 and \$6,400.00 to Triad EAP for an all-staff training. Mr. Martin requested approval for the June 2024 payables totaling \$482,211.26. Dir. Shackelford moved to approve the payables as described by Mr. Martin. Dir. Marlowe seconded the motion. The motion was unanimously approved.

OTHER ACTION ITEMS:

None.

DISCUSSION ITEMS:

NEW TOWN OF CASTLE ROCK SEWER LINE EASEMENT:

The draft sewer line easement is complete and has been sent to Castle Rock Water (CRW) and Castle Rock Development Co. (CRDC). CRDC is requesting more than a forty-foot easement. Mr. Martin mentioned that the discussion is currently between the Town of Castle Rock and Castle Rock Development.

INDUSTRIAL PRETREATMENT RULES AND REGULATIONS UPDATE:

There was question if acceptance of the industrial pretreatment rules and regulations gives staff the authority to inspect and enforce in the jurisdictions of the members. With council by Mr. Farrington, the board confirmed that with the acceptance and adoption of the rules and regulations into their own codes and rules and regulations, that the PCWRA IP staff do, in fact, have the authority to enforce the PCWRA Rules and Regulations within the members' jurisdictions. Formal approval of the updated Rules and Regulations is expected at the next board meeting.

INDUSTRIAL PRETREATMENT UPDATE:

Mr. Griggs provided an update to the current businesses out of compliance and mentioned that some of them have expressed difficulty in financing the installation of a grease interceptor. Discussion ensued regarding options available to these businesses, however in the end they must come into compliance.

REUSE RESERVOIR:

Staff is awaiting direction from the board regarding funding for the reservoir. Mr. Martin also asked if the board intended to pursue the full project or only proceed with the minimum required to meet State compliance, which would involve relining the reservoir with a stub out for a potential future pump station. Dir. Marlowe stated that Castle Rock Water accepts either option while Dir. Shackelford stated the Metro District is having conversations with their golf courses. There are still two off seasons until the reservoir could possibly be out of compliance, but that time is needed for bidding and construction so movement on the project needs to occur in the near future.

MANAGEMENT REPORT:

Plant Updates

Cornerstone Coatings has been struggling with their project. Staff thought they were complete with one mixer, but it did not pass inspections, and the paint supplier would not approve the warranty on the coating due to poor application. As a result, PCWRA has not paid them for that part of the project and the whole crew abandoned the site. A new crew was assigned, and they seem to be doing a better job, but funds are still being held until the work is approved by the inspector and warranted by the paint supplier.

Kirby is working with the Environmental Protection Agency (EPA) and PCWRA's IT provider on a cybersecurity program that meets the EPA's system requirements, which is not currently required for wastewater but is needed to protect the facility from attacks. Mr. Martin stated that the plant is currently well protected.

Staff completed the Dale Carnegie course with a lot of staff participation, however there were mixed reviews after the first day. After some alterations to the process, the training was beneficial in improving teamwork.

On July 18th, Mr. Martin had his first meeting with Castle Rock Water on the proposed lift station in Sedalia, which includes alignment, easements and the best entry way to tie into the facility.

CDPHE Update

The Colorado Department of Public Health & Environment (CDPHE) cancelled all meetings in July and will consider returning to meetings in August. Staff continues to be involved in all the regulations updates from the CDPHE in order to provide feedback, which includes working with the National Water Research Institute (NWRI) study. Gabe Racz, Vranesh and Raisch, and Brett Icenogle, Metro Water Recovery, were told in a meeting that the EPA believes wastewater facilities in Colorado have not used any funds for nutrient removal. This is concerning due to many utilities spending millions of dollars to remove nutrients such as nitrogen and phosphorus.

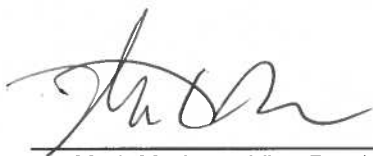
Connecticut is the second state to ban biosolids land application. Staff is working with the Colorado Wastewater Utility Council (CWWUC) and other entities on the Dr. Ian Pepper, University of Arizona, study which has been collecting samples for a nationwide study on per- and polyfluoroalkyl substances (PFAS) and biosolids. The study currently shows that the PFAS at sites where domestic biosolids are being applied have not reached the ground water, but the study continues to look at the crop uptake. The Division has directed the only employee in their biosolids program to make PFAS in biosolids his priority. The wastewater facilities that are required by their permit to perform PFAS monitoring and tracking are having issues tracking the sources of where the PFAS originated, this is due to the analysis methods and dilution factors.

OTHER DISCUSSION ITEMS:

None.

ADJOURNMENT

There being no further business to come before the board, Dir. Marlowe declared the meeting adjourned at 8:53 a.m.



Mark Marlowe, Vice-President